



CALIFORNIA DEPARTMENT OF TRANSPORTATION
AUTHORIZED MATERIAL LIST (AML)
SIGNING AND DELINEATION MATERIALS



Last edit date: 10/29/2018

1. PAVEMENT MARKERS

Retroreflective with Abrasion Resistant Surface (ARS)
(length x width)

#	Material	Reauthorization
1	Apex, Models 921AR (4" x 4"), 828AR (3.1x4.5) and 899AR (3.1"x4.5")	06/30/2023
2	Ennis-Flint, Models 911 (4" x 4") and C80FH (3.1" x 4.5")	06/30/2023
3	Ray-O-Lite, Models "AA" ARC II (4" x 4") and ARC Round Shoulder (4" x 4")	06/30/2023
4	3M Series 290 (3.5" x 4")	06/30/2023
5	3M Series 290 PSA	06/30/2023
6	Glowlite, Inc Model 988AR (4" x 4")	06/30/2023

Retroreflective with Abrasion Resistant Surface (ARS)
(for recessed applications only)

	Material	Reauthorization
1	Ray-O-Lite, Model 2002 (2" x 4.6")	06/30/2023
2	Ray-O-Lite, Model 2004 (2" x 4")*	06/30/2023
3	Ennis-Flint, Models C40 and 201 with C40	06/30/2023

*For use only in 4.5 inch wide (older) recessed slots



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2. TEMPORARY PAVEMENT MARKERS

Temporary Markers for Long Term Day/Night Use (180 days or less)

#	Material	Reauthorization
1	Vega Molded Products "Temporary Road Marker" (3" x 4")	07/31/2023
2	Pexco LLC, Halftrack model 25, 26 and 35	07/31/2023

Temporary Markers for Short Term Day/Night Use (14 days or less)

(For seal coat or chip seal applications, clear protective covers are required)

#	Material	Reauthorization
1	Apex Universal, Model 932, 932HH	07/31/2023
2	Pexco LLC, Models T.O.M., T.R.P.M., and "HH" (High Heat)	07/31/2023
3	Hi-Way Safety, Inc., Model 1280/1281	07/31/2023
4	Glowlite, Inc., Model 932	07/31/2023
5	Pexco LLC, Davidson Models SUPER TOM and SUPER TRPM	07/31/2023



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3. STRIPING AND PAVEMENT MARKING MATERIAL

Traffic Striping and Pavement Marking Tape

#	Material	Reauthorization
1	Advanced Traffic Marking, Series 300 and 400	08/31/2023
2	Brite-Line, Series 1000	08/31/2023
3	Brite-Line, "DeltaLine XRP"	08/31/2023
4	Swarco Industries, "Director 60"	08/31/2023
5	3M, "Stamark" Series 380 and 270 ES	08/31/2023

Temporary (Removable) Striping and Pavement Marking Tape (180 days or less)

#	Material	Reauthorization
1	Advanced Traffic Marking, Series 200	08/31/2023
2	Brite-Line, "Series 100", "Deltaline TWR"	08/31/2023
3	Garlock Rubber Technologies, Series 2000	08/31/2023
4	Tape 4, Aztec, Grade 102	08/31/2023
5	Swarco Industries, "Director-2", "Director 2-Wet Reflective"	08/31/2023
6	Trelleborg Industries, R140 Series	08/31/2023
7	3M Series 710	08/31/2023
8	Advanced Traffic Marking Black "Hide-A-Line" (Black Tape: for use only on Hot mix asphalt surfaces)	08/31/2023
9	Brite-Line "BTR" Black Removable Tape (Black Tape: for use only on Hot mix asphalt surfaces)	08/31/2023
10	Trelleborg Industries, RB-140 (Black Tape: for use only on Hot mix asphalt surfaces)	08/31/2023



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Preformed Thermoplastic (Heated in place)

#	Material	Reauthorization
1	Ennis-Flint, "Hot Tape"	08/31/2023
2	Ennis-Flint, "Premark"	08/31/2023
3	Ennis-Flint, "Flametape"	08/31/2023
4	Alta Traffic Solutions, "Alta All-Season", Series 100 (White Only)	08/31/2023
5	Swarco, Preformed Thermoplastic	08/31/2023
6	Ozark Materials, Preformed Thermoplastic	08/31/2023
7	Potters Industries, "VisiTape"	08/31/2023
8	Geveko Markings, "Optamark"	08/31/2023
9	Crown Technology, "Tuff-Mark"*	08/31/2023
10	Ennis-Flint, "PreMark XF White"*	08/31/2023
11	Ennis-Flint, "PreMark XF Yellow"*	08/31/2023

*For Contractor's use only

Ceramic Surfacing Laminate, 6" x 6"

#	Material	Reauthorization
1	Highway Ceramics, Inc.	08/31/2023



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4. CLASS 1 DELINEATORS

One Piece Driveable Flexible Type, 66-inch

#	Material	Reauthorization
1	Pexco LLC, "Flexi-Guide Models 400 and 566"	09/30/2023
2	Carsonite, Curve-Flex CFRM-400	09/30/2023
3	Carsonite, Roadmarker CRM-375	09/30/2023
4	FlexStake, Model 654 TM	09/30/2023
5	GreenLine Model CGD1-66	09/30/2023
6	Ridan Composites LLC, Del-Mark Post	09/30/2023

Special Use Type, 66-inch

#	Material	Reauthorization
1	Pexco LLC, Model FG 560 (with U-Channel base), FG 300 UR (with 2-inch square anchor)	09/30/2023
2	Carsonite, "Survivor" (with 18-inch U-Channel base)	09/30/2023
3	Carsonite, Roadmarker CRM-375 (with 18-inch U-Channel base)	09/30/2023
4	FlexStake, Model 604	09/30/2023
5	GreenLine Model CGD (with 18-inch U-Channel base)	09/30/2023
6	Impact Recovery Model D36, with #105 Driveable Base	09/30/2023
7	Safe-Hit with 8-inch pavement anchor (SH248-GP1)	09/30/2023
8	Safe-Hit with 15-inch soil anchor (SH248-GP2) and with 18-inch soil anchor (SH248-GP3)	09/30/2023
9	Safe-Hit RT 360 Post with Soil Mount Anchor (GPS)	09/30/2023
10	Safe-Hit SQR-LOC, SH248SQR-12	09/30/2023
11	Shur-Tite Products, Shur-Flex Drivable	09/30/2023
12	Three D Traffic Works, Earthflex TD5500	09/30/2023

Surface Mount Type, 48-inch

#	Material	Reauthorization
1	Bent Manufacturing Company, Masterflex Model MFEX 180-48	09/30/2023
2	Carsonite, "Channelizer"	09/30/2023
3	FlexStake, Models 704, 754 TM, and 154 Flat Top	09/30/2023
4	Impact Recovery Model D48, with #101 Fixed (Surface-Mount) Base	09/30/2023
5	Three D Traffic Works "Channelflex" ID No. 522248W	09/30/2023
6	Flexible Marker Support, Flexistiff Model C-9484	09/30/2023
7	Safe-Hit, SH 248 SMR	09/30/2023



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8	New Direction Manufacturing, Model FTSM 48	09/30/2023
9	Hi-way Safety, Inc, Model CFUR48	09/30/2023
10	Shur-Tite Products, Shur-Flex	09/30/2023
11	Pexco LLC, Flexi-Guide Models FG348PE, FG348UR and FG348EFX	09/30/2023

5. CHANNELIZERS

Surface Mount Type, 36-inch

#	Material	Reauthorization
1	Bent Manufacturing Company, Masterflex Models MF-360-36 (Round) MF-180-36 (Flat) and MFEX 180—36	10/31/2023
2	Pexco LLC, Flexi-Guide Models FG336PE, FG336UR and FG336EFX, City Post, City Post SM and City Post GD	10/31/2023
3	Carsonite, "Super Duck" (Round SDR-336)	10/31/2023
4	Carsonite, Model SDCF03601MB "Channelizer"	10/31/2023
5	FlexStake, Models 703, 753 TM, and 153 Flat Top	10/31/2023
6	GreenLine, Model SMD-36	10/31/2023
7	Hi-way Safety, Inc. "Channel Guide Channelizer" Model CGC36, CFUR36	10/31/2023
8	Impact Recovery Model D36, with #101 Fixed (Surface-Mount) Base	10/31/2023
9	Safe-Hit, Guide Post, Model SH236SMA and Dura-Post, Model SHL36SMA	10/31/2023
10	Three D Traffic Works "Boomerang" 5200 Series	10/31/2023
11	Flexible Marker Support, Flexistiff Model C-9484-36	10/31/2023
12	Shur-Tite Products, Shur-Flex	10/31/2023
13	New Direction Manufacturing, Model FTSM36	10/31/2023

Lane Separation System

#	Material	Reauthorization
1	Pexco LLC, "Flexi-Guide (FG) 300 Curb System"	10/31/2023
2	Qwick Kurb, "Klemmfix Guide System"	10/31/2023
3	Dura-Curb System	10/31/2023
4	Tuff Curb	10/31/2023
5	FG 300 Turnpike Curb	10/31/2023
6	Shur-Tite Products, SHUR-Curb, Model No. SF0200	10/31/2023



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6. OBJECT MARKERS

Type "K", 18-inch

#	Material	Reauthorization
1	Pexco LLC, Model FG318PE	12/31/2023
2	Carsonite, Model SMD 615	12/31/2023
3	FlexStake, Model 701 KM	12/31/2023
4	Safe-Hit, Model SH718SMA	12/31/2023
5	Impact Recovery Systems, Model 282-K	12/31/2023
6	Hi-way Safety, Inc, Model CFURK	12/31/2023
7	Shur-Tite Products, Shur-Flex Driveable	12/31/2023

Type "Q" Object Markers, 24-inch

#	Material	Reauthorization
1	Bent Manufacturing "Masterflex" Model MF-360-24	12/31/2023
2	Pexco LLC, Model FG324PE	12/31/2023
3	Carsonite, "Channelizer"	12/31/2023
4	FlexStake, Model 701KM	12/31/2023
5	Safe-Hit, Models SH824SMA_WA and SH824GP3_WA	12/31/2023
6	Three D Traffic Works ID No. 531702W and TD 5200	12/31/2023
7	Three D Traffic Works ID No. 520896W	12/31/2023
8	Safe-Hit, Dura-Post SHLQ-24"	12/31/2023
9	Flexible Marker Support, IMC 9484-24	12/31/2023
10	Impact Recovery Systems, Model 282 -Q	12/31/2023
11	Hi-way Safety, Inc, Model CFURQ	12/31/2023



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7. MARKERS FOR CONCRETE BARRIER AND GUARD RAIL

Impactable Type

#	Material	Reauthorization
1	ARTUK, "FB"	01/31/2024
2	Pexco LLC, Models PCBM-12, PCBM-T12, PCBM 912, Hi Viz Flex Tab, PCBM L-16, PCBM 36, PCBM 15 and PCBM 915	01/31/2024
3	Duraflex Corp., "Flexx 2020" and "Electriflexx"	01/31/2024
4	Hi-Way Safety, Inc., Model GMKRM100	01/31/2024
5	Plastic Safety Systems "BAM" Models OM-BARR and OM-BWAR	01/31/2024
6	Three D Traffic Works "Roadguide" Model TD 9300	01/31/2024
7	Retroflex, RF3N1	01/31/2024

Non-Impactable Type

#	Material	Reauthorization
1	ARTUK, JD Series	01/31/2024
2	Plastic Safety Systems "BAM" Models OM-BITARW and OM-BITARA	01/31/2024
3	Vega Molded Products, Models GBM and JD	01/31/2024
4	Plastic Vacuum Forming, "Cap-It C400"	01/31/2024
5	Irwin Hodson Co., Barrier Traffic Reflector 5 and A Shape HTR	01/31/2024



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8. DELINEATORS FOR CONCRETE BARRIER AND GUARD RAIL

**METAL BEAM GUARD RAIL POST MARKERS
(For use to the left of traffic)**

#	Material	Reauthorization
1	Pexco LLC, "Mini" (3" x 10"), I-Flex	02/28/2024
2	Creative Building Products, "Dura-Bull, Model 11201"	02/28/2024
3	Duraflex Corp., "Railrider"	02/28/2024
4	Plastic Vacuum Forming, "Cap-It C300"	02/28/2024
5	Irwin Hodson Co., Barrier Traffic Reflector	02/28/2024

**CONCRETE BARRIER DELINEATORS, 16-inch
(For use to the right of traffic)**

#	Material	Reauthorization
1	Pexco LLC, Model PCBM T-16	02/28/2024
2	Safe-Hit, Model SH216RBM	02/28/2024
3	Three D Traffic Works "Roadguide" Model 9400	02/28/2024

**GUARD RAILING DELINEATOR
(Place top of reflective element at 48 inches above plane of roadway)
Wood Post Type, 27-inch**

#	Material	Reauthorization
1	Pexco LLC, FG 427 and FG 527	02/28/2024
2	Carsonite, Model 427	02/28/2024
3	FlexStake, Model 102 GR	02/28/2024
4	GreenLine GRD 27	02/28/2024
5	Safe-Hit, Model SH227GRD	02/28/2024
6	Three D Traffic Works "Guardflex" TD9100	02/28/2024
7	New Directions Mfg, NDM27	02/28/2024
8	Shur-Tite Products, Shur-Tite Flat Mount	02/28/2024
9	Glasforms, Hiway-Flex, GR-27-00	02/28/2024
10	Impact Recovery Systems, 200-GRP	02/28/2024



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Barrier for Guardrail Visibility Enhancement

#	Material	Reauthorization
1	UltraGuard Safety System, Potters Industries, Inc.	02/28/2024
2	Worldwide Safety and Irwin Hodson, Monarch Butterfly Reflective Device (MBG only)	02/28/2024
3	3M, Linear Delineation System, Series 340	02/28/2024
4	Pexco LLC, Butterfly-Style Glue-on (MGB only)	02/28/2024

Steel Post Type

#	Material	Reauthorization
1	Carsonite, Model CFGR-327	02/28/2024



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9. RETROREFLECTIVE SHEETING - CHANNELIZERS

Channelizers, Barrier Markers, and Delineators

#	Material	Reauthorization
1	Avery Dennison T-6500 Series, (For rigid substrate devices only)	03/31/2024
2	Avery Dennison WR-7100 Series and WR-6100 Series	03/31/2024
3	Nippon Carbide Industries, Flexible Ultralite Grade (ULG) II	03/31/2024
4	Orafol, AC-1000 Acrylic	03/31/2024
5	Orafol, AP-1000 Metalized Polyester	03/31/2024
6	Orafol, Conformalight, AR-1000 Abrasion Resistant Coating	03/31/2024
7	3M, High Intensity, Series 3310, Series 3910 and 3914	03/31/2024

10. RETROREFLECTIVE SHEETING – VERTICAL CLEARANCE SIGNS

Vertical Clearance Signs: Structure Mounted

#	Material	Reauthorization
1	3M Model 4081, Diamond Grade DG3, Fluorescent Yellow	03/31/2024



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11. RETROREFLECTIVE SHEETING – SIGNS

Type VIII (Typically Unmetallized Microprismatic Element)

#	Material	Reauthorization
1	Avery Dennison, T-7500 Series	03/31/2024
2	Avery Dennison, T-7511 Fluorescent Yellow	03/31/2024
3	Avery Dennison, T-7513 Fluorescent Yellow Green	03/31/2024
4	Avery Dennison, W-7514 Fluorescent Orange	03/31/2024
5	Nippon Carbide Industries, Nikkalite Crystal Grade Series 92800	03/31/2024
6	Nippon Carbide Industries, Nikkalite Crystal Grade Model 92847 Fluorescent Orange	03/31/2024
7	Nippon Carbide Industries, Nikkalite Crystal Grade Model 92844 Fluorescent Yellow/Green	03/31/2024
8	3M Series 3940	03/31/2024
9	3M Series 3924S Fluorescent Orange	03/31/2024
10	3M Series 3921 Fluorescent Yellow	03/31/2024
11	3M Series 3923 Fluorescent Yellow Green	03/31/2024

Type IX (Typically Unmetallized Microprismatic Element)

#	Material	Reauthorization
1	3M VIP Series 3981 Diamond Grade Fluorescent Yellow	03/31/2024
2	3M VIP Series 3983 Diamond Grade Fluorescent Yellow/Green	03/31/2024
3	3M VIP Series 3990 Diamond Grade	03/31/2024
4	Avery Dennison T-9500 Series	03/31/2024
5	Avery Dennison, T9513, Fluorescent Yellow Green	03/31/2024
6	Avery Dennison, W9514, Fluorescent Orange	03/31/2024
7	Avery Dennison, T-9511 Fluorescent Yellow	03/31/2024
8	Orafol, Oralite 5930, Fluorescent Orange	03/31/2024
9	Orafol, Oralite 7900 Series	03/31/2024

Type XI (Typically Unmetallized Microprismatic Element)

#	Material	Reauthorization
1	3M Diamond Grade, DG3, Series 4000	03/31/2024
2	3M Diamond Grade, DG3, Series 4081, Fluorescent Yellow	03/31/2024
3	3M Diamond Grade, DG3, Series 4083, Fluorescent Yellow/Green	03/31/2024



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4	3M Diamond Grade, DG3, Series 4084, Fluorescent Orange	03/31/2024
5	Avery Dennison, OmniCube, T-11500 Series	03/31/2024
6	Avery Dennison, OmniCube, T-11511, Fluorescent Yellow	03/31/2024
7	Avery Dennison, OmniCube, T-11513, Fluorescent Yellow Green	03/31/2024
8	Avery Dennison, OmniCube, W-11514 Fluorescent Orange	03/31/2024

12. ALTERNATIVE SIGN SUBSTRATES

Fiberglass Reinforced Plastic (FRP) and Expanded Foam PVC

#	Material	Reauthorization
1	Fiber-Brite (FRP)	04/30/2024
2	Sequentia, "Polyplate" (FRP)	04/30/2024
3	Inteplast Group "InteCel" (0.5 inch for Post-Mounted CZ Signs, 48-inch or less)(PVC)	04/30/2024
4	EcoStrate Sign, Model Traffic 025	04/30/2024

Aluminum Composite, Temporary Construction Signs and Permanent Signs up to 4 foot, 7 Inches

#	Material	Reauthorization
1	Alcan Composites "Dibond Material, 80 mils"	04/30/2024
2	Mitsubishi Chemical America, Alpolic 350	04/30/2024
3	Bone Safety Signs, Bone Light ACM (temporary construction signs only)	04/30/2024
4	Kommerling, USA, KomAlu 3 mm	04/30/2024